

SEQUENCE LISTING

<110> Freyssinet, Georges
Deroose, Richard
Hoffman, Jules

<120> Gene Coding for Thanatin, Vector
Containing Same and Resulting Transformed Disease-Resistant
Plants

<130> A33207-PCT-USA

<140> 09/554,024

<141> 2000-05-08

<150> PCT/FR98/02375

<151> 1998-11-06

<150> FR 97/14,263

<151> 1997-11-07

<160> 14

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 33

<212> DNA

<213> Psodius maculiventis

<220>

<221> CDS

<222> (1)...(33)

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atc atc tac tgc aac agg agg act ggt aag tgc
Ile Ile Tyr Cys Asn Arg Arg Thr Gly Lys Cys
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<223> Derived from Psodius maculiventis

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ggt tcc aag aag cca gtg cca atc atc tac tgc aac agg agg act ggt 48
 Gly Ser Lys Lys Pro Val Pro Ile Ile Tyr Cys Asn Arg Arg Thr Gly
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aag tgc cag agg atg 63
 Lys Cys Gln Arg Met
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<210> 3
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<221> CDS
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 ggt tcc aag aag cca gtg cca atc atc tac tgc aac agg agg act ggt 48
 Gly Ser Lys Lys Pro Val Pro Ile Ile Tyr Cys Asn Arg Arg Thr Gly
 1 5 10 15

aag tgc cag agg atg tgagctcggc gaggcgaacg tgtcgacgga tccgg 98
 Lys Cys Gln Arg Met
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<210> 4
 <211> 106
 <212> DNA
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<220>
 <223> Derived from *Psodius maculiventis*

<221> CDS
 <222> (12)...(101)

<400> 4
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 Met Gly Phe Val Leu Phe Ser Gln Leu Pro Ser Phe Leu
 1 5 10

ctt gtg tct act ctt ctt ctt ttc ctt gtg atc tct cac tct tgc cgt 98
 Leu Val Ser Thr Leu Leu Leu Phe Leu Val Ile Ser His Ser Cys Arg
 15 20 25

gcc ggcga 106
 Ala
 30

U03841.1: Psodius maculiventis

tcgccggcac ggcaagagta agagatcaca aggaaaagaa gaagagtaga cacaagaagg	60
aaagatggaa gc	72

<210> 8
 <211> 42
 <212> DNA
 <213> Artificial Sequence

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 <223> Synthetic oligonucleotide

<400> 8	
ggttccaaga agccagtgcc aatcatctac tgcaacagga cg	42

<210> 9
 <211> 87
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide

<400> 9	
ccggatccgt cgacacgttc gctcgccga gctcacatcc tctggcactt accagtcctc	60
ctgttgcaagt agatgattgg cactggc	87

<210> 10
 <211> 85
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<220>
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ctctagagtc gacctgcagg catgc	85

<210> 11
 <211> 66
 <212> DNA
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<220>
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<210> 12
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<213> Artificial Sequence

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<223> Synthetic oligonucleotide

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<210> 13

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic oligonucleotide

<400> 13

ccggcctgaa ccaggtactg aggttggggc ctcgagcaca cacctaggcg cgccggggcc	60
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<210> 14

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> Derived from thanatin

<221> VARIANT

<222> (1)...(1)

<223> Variable residue

<221> VARIANT

<222> (13)...(13)

<223> Variable residue

<400> 14

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00554024-104600